

What is claimed is:

1. A cable connector assembly adapted for being mounted to a panel, comprising:

an insulative housing defining a mating direction and a longitudinal direction perpendicular to the mating direction and comprising a base and a mating portion projecting outwardly from the base along the mating direction, the base comprising an upper surface and a lower surface both extending along said longitudinal direction, a pair of ear portions disposed at opposite ends thereof and extending vertically from the upper surface, and a pair of spring arms formed on the lower surface;

a plurality of conductive contacts received in the insulative housing;

a cable comprising a plurality of conductors respectively electrically connecting with the conductive contacts; and

a pair of fastening members protruding through the ear portions of the insulative housing for securing to the panel.

2. The cable connector assembly as claimed in claim 1, wherein the pair of spring arms extend toward each other along said longitudinal direction.

3. The cable connector assembly as claimed in claim 1, wherein the base forms a pair of guiding members at opposite sides of the mating portion.

4. The cable connector assembly as claimed in claim 3, wherein each guiding member forms a protrusion extending along a direction away from a corresponding ear portion.

5. The cable connector assembly as claimed in claim 4, wherein the guiding

member forms a U-shaped receiving cavity.

6. The cable connector assembly as claimed in claim 3, wherein the guiding member is chamfered to form a lead-in surface.

7. The cable connector assembly as claimed in claim 1, further comprising a spacer, and wherein the insulative housing comprises a mating face and a terminating face opposite to the mating face and defines a cavity recessed from the terminating face toward the mating face to receive the spacer.

8. The cable connector assembly as claimed in claim 7, wherein the insulative housing defines a plurality of passages to receive the conductive contacts, wherein the spacer defines a plurality of passageways corresponding to the passages, and wherein each conductive contact comprises a tail section respectively protruding through the passageway of the spacer and extending beyond the terminating face.

9. The cable connector assembly as claimed in claim 8, wherein the housing defines a receiving space recessed from the mating face toward the terminating face and communicating with the passages, and wherein each conductive contact comprises a mating section opposite to the tail section and forming a curved mating end exposed in the receiving space.

10. The cable connector assembly as claimed in claim 7, further comprising a cover, wherein the insulative housing forms a retaining portion extending beyond the terminating face thereof and a slit beside the retaining portion, and wherein the insulative cover forms a latch received in the slit and latching with the retaining portion.

11. The cable connector assembly as claimed in claim 10, wherein the slit communicates with the receiving cavity of the guiding member.

12. The cable connector assembly as claimed in claim 10, wherein the cable is sandwiched between the insulative housing and the cover.

13. The cable connector assembly as claimed in claim 1, wherein the mating portion is D-shaped.

14. The cable connector assembly as claimed in claim 1, wherein the ear portion comprises a first face and a second face opposite to the first face, and each fastening member comprises an enlarged operating portion exposed beyond the second face of the ear portion, a threaded portion exposed beyond the first face of the ear portion and a medial portion interconnecting the operating portion and the threaded portion.

15. An electrical system comprising:

a panel defining a mounting opening, a pair of mounting holes and a polarizing opening recessed from a lower edge of the mounting opening, the panel comprising a front face and an opposite rear face; and

a cable connector assembly comprising:

an insulative housing defining a mating direction and a longitudinal direction perpendicular to the mating direction and comprising a base and a mating portion projecting outwardly from the base along the mating direction and through the mounting opening of the panel, the insulative housing comprising an upper surface and an opposite lower surface both extending along said longitudinal direction, the base comprising a pair of ear portions disposed at opposite ends thereof and

extending vertically from the upper surface, the housing forming a pair of protrusions on the lower surface thereof adjacent to the mating portion, the rear face of the panel abutting against the ear portions and the front face of the panel abutting against the protrusions;

a plurality of conductive contacts received in the insulative housing;

a cable comprising a plurality of conductors respectively electrically connecting with the conductive contacts; and

a pair of fastening members respectively protruding through the ear portions and the mounting holes of the panel to secure the cable connector assembly to the panel.

16. The system as claimed in claim 15, wherein the insulative housing forms a pair of spring arms opposite to the ear portions and extending toward each other along said longitudinal direction, said spring arms abutting against an edge of the polarizing opening when the cable connector assembly mounted on said panel.

17. The system as claimed in claim 15, wherein the base of the cable connector assembly further forms a pair of guiding members extending outwardly therefrom and spaced by the mating portion, wherein the protrusions are respectively formed on the guiding members.

18. An electrical connector system comprising:

a panel forming a large mounting opening defining lengthwise and transverse directions perpendicular to each other, and a pair of small mounting holes by two sides of the mounting opening;

a cable connector assembly comprising:

an insulative housing including a mating portion extending through said large

mounting opening, and a pair of mounting ears located around two opposite ends of the housing and in alignment with the corresponding small mounting ears;

a plurality of contacts disposed in the housing;

a pair of fastener means forwardly extending around the pair of mounting ears and attached to the panel around said two mounting holes, respectively, under a condition that the fastener means cooperates with the panel to restrict movement of the connector relative to the panel in a front-to-back direction while allowing floating movement of the connector relative to the panel in at least one of said lengthwise and said transverse directions; wherein

said housing further includes a recovery device engageable with a periphery of said large mounting opening to counterbalance another external force imposed upon the connector in at least one of the lengthwise direction and the transverse direction.

19. The system as claimed in claim 18, wherein said fastener means is a screw having a diameter smaller than a diameter of a hole in the corresponding mounting ear and with an enlarge head abutting against a rear face of the corresponding mounting ear and with threads latchably threaded to threads in the corresponding small mounting hole, so as to allow the connector to be moveable relative to the panel in either the lengthwise direction or said transverse direction or both.

20. The system as claimed in claim 18, wherein said recovery means is engageable with a lengthwise side of the periphery of the large mounting opening.